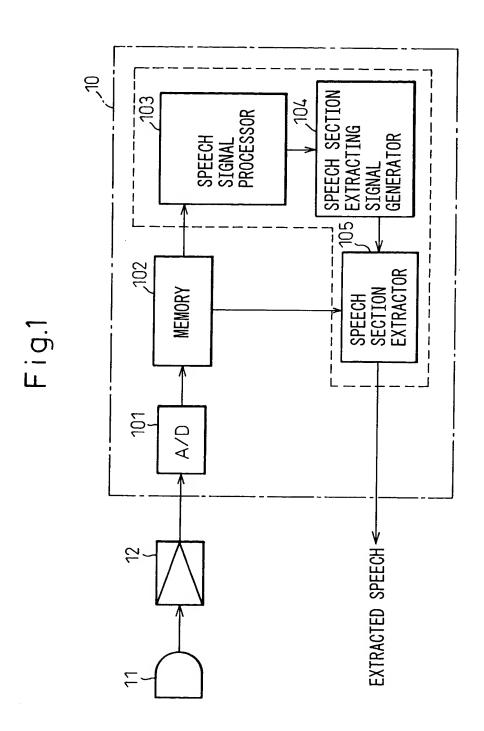
D. Bruce Prout 50710/DBP/A400 Hideki Kitao, et al. SPEECH SECTION DETECTION APPARATUS

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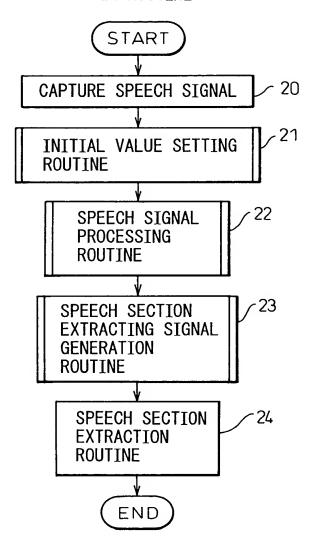
D. Bruce Prout 50710/DBP/A400 Hideki Kitao, et al. SPEECH SECTION DETECTION APPARATUS

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 $\frac{2}{23}$

Fig.2

MAIN ROUTINE



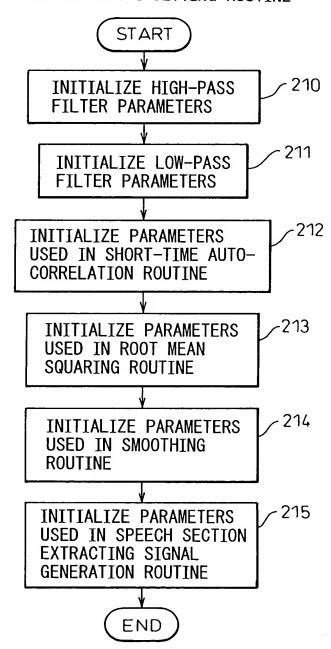
D. Bruce Prout 50710/DBP/A400 Hideki Kitao, et al. SPEECH SECTION DETECTION APPARATUS

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Fig.3

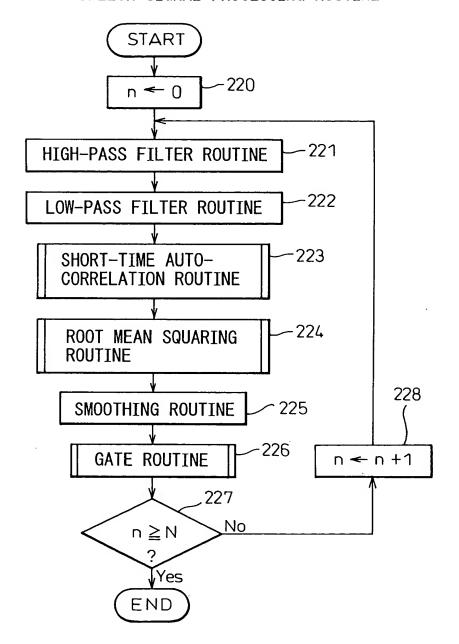
INITIAL VALUE SETTING ROUTINE



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Fig.4
SPEECH SIGNAL PROCESSING ROUTINE

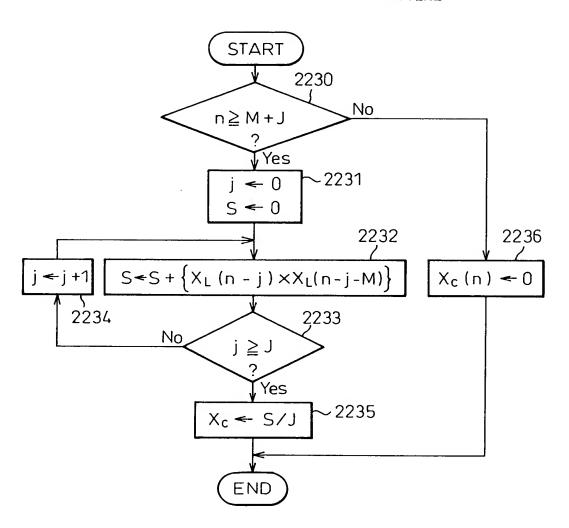


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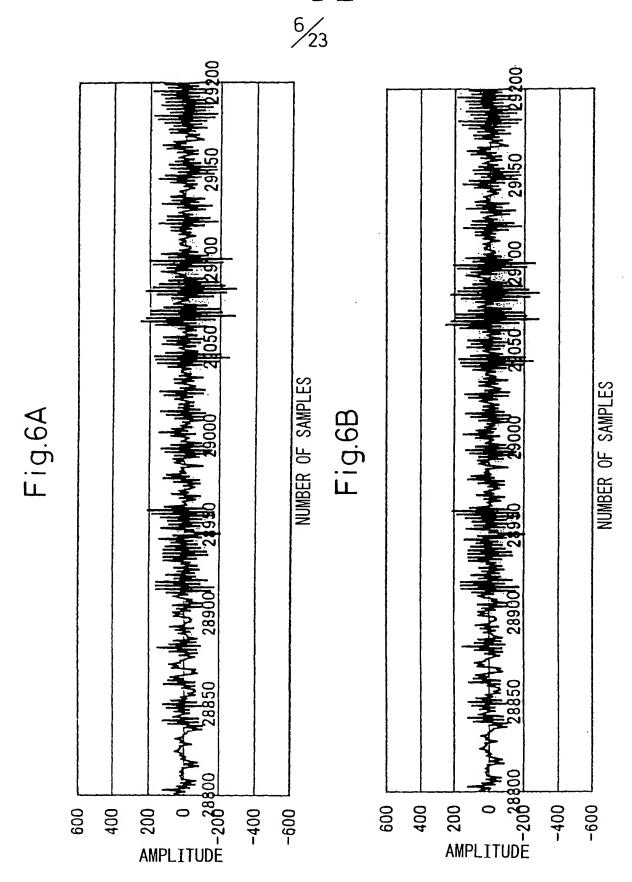
 $\frac{5}{23}$

Fig.5
SHORT-TIME AUTO-CORRELATION ROUTINE



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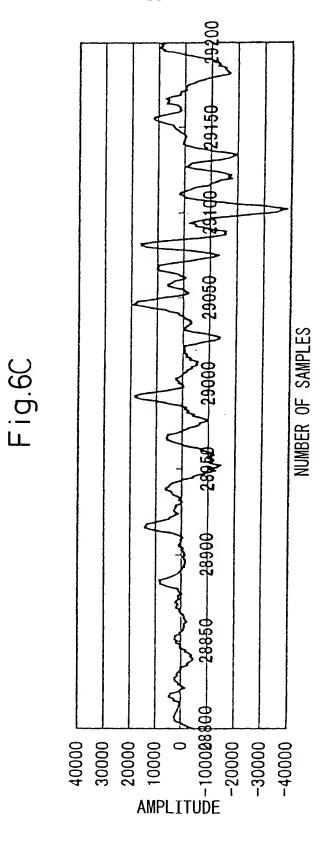
Sheet <u>6</u> of <u>23</u>



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Sheet <u>7</u> of <u>23</u>

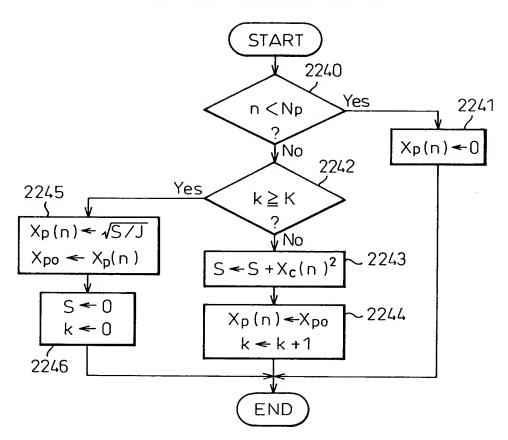
 $\frac{7}{23}$



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Fig.7 ROOT MEAN SQUARING ROUTINE



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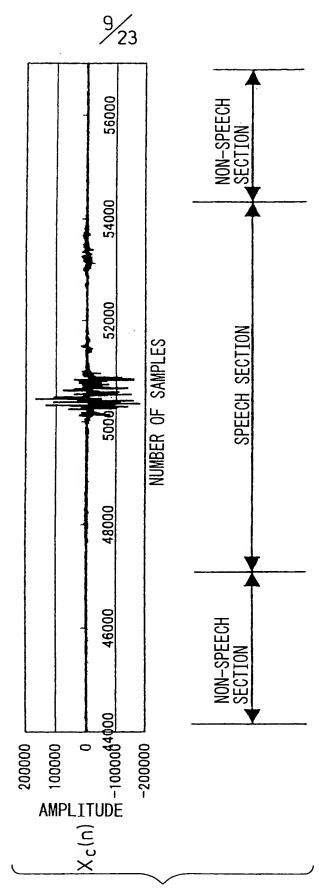
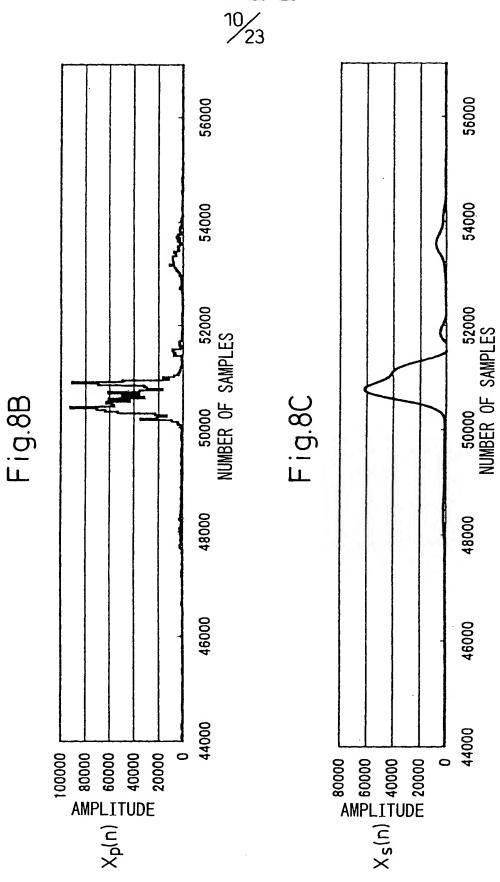


Fig.8A

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Fig.9

GATE ROUTINE

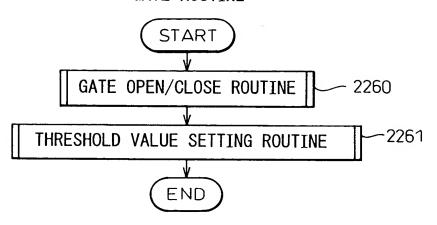
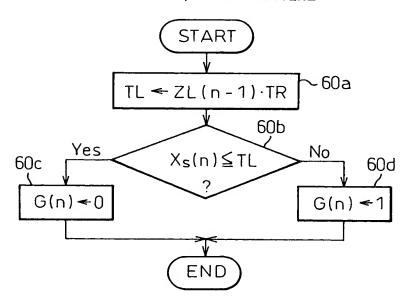


Fig.10

GATE OPEN/CLOSE ROUTINE



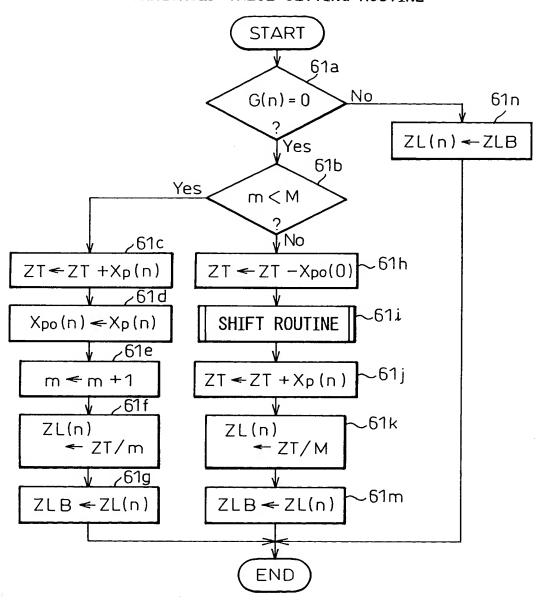
D. Bruce Prout 50710/DBP/A400 Hideki Kitao, et al. SPEECH SECTION DETECTION APPARATUS

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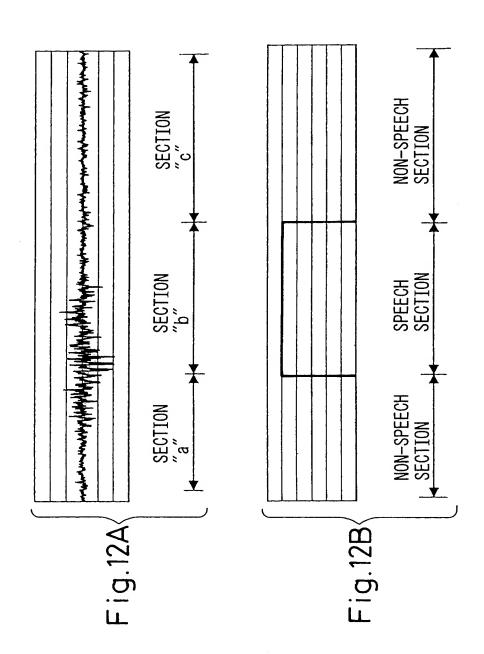
Fig.11

THRESHOLD VALUE SETTING ROUTINE



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Fig.13

SHIFT ROUTINE

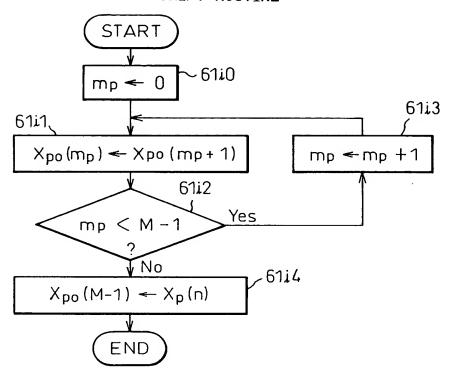
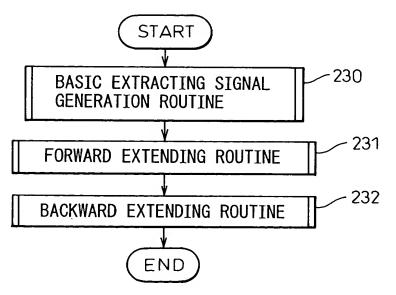


Fig.14

SPEECH SECTION EXTRACTING SIGNAL GENERATION ROUTINE



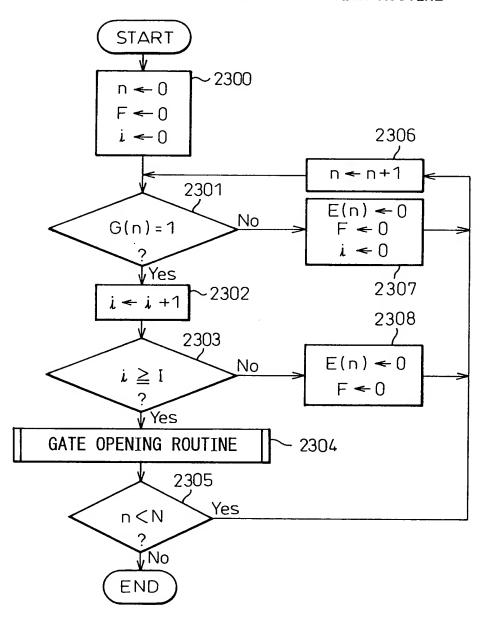
Hideki Kitao, et al.
SPEECH SECTION DETECTION
APPARATUS

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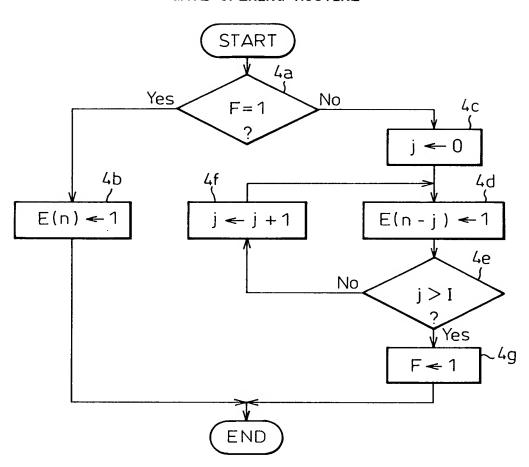
Fig.15 BASIC EXTRACTING SIGNAL GENERATION ROUTINE



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Fig.16
GATE OPENING ROUTINE

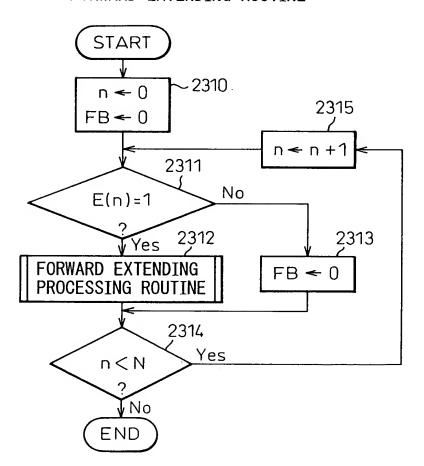


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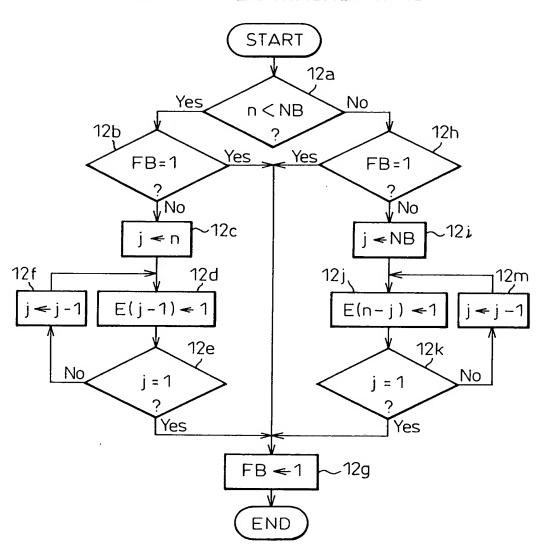
Fig.17 FORWARD EXTENDING ROUTINE



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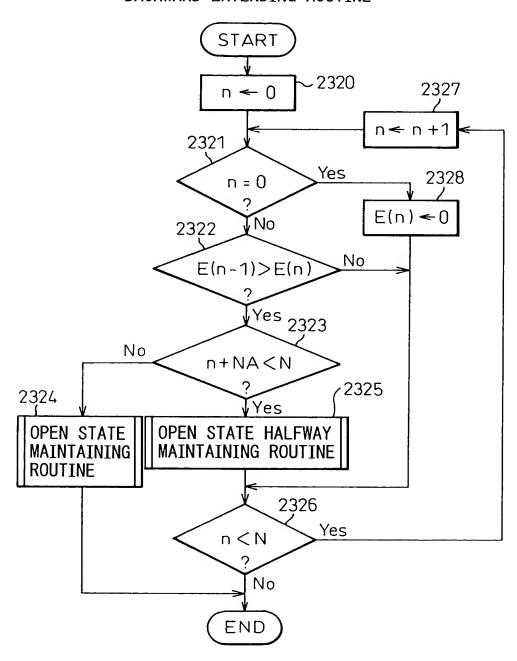
Fig.18
FORWARD EXTENDING PROCESSING ROUTINE



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Fig.19
BACKWARD EXTENDING ROUTINE



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Fig.20

OPEN STATE MAINTAINING ROUTINE

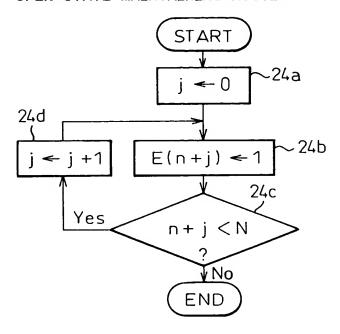
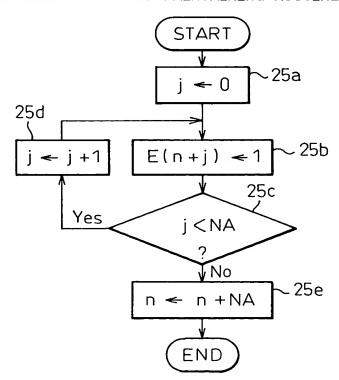


Fig.21 OPEN STATE HALFWAY MAINTAINING ROUTINE



Attorney: Docket No.: Inventor(s): D. Bruce Prout 50710/DBP/A400 Hideki Kitao, et al. SPEECH SECTION DETECTION APPARATUS Sheet <u>21</u> of <u>23</u> 21/23 61000 61000 ಹ 56000 56000 46000 51000 NUMBER OF SAMPLES 000 51000 NUMBER OF SAMPLES Fig.22B Fig.22A 46000 41000 41000 36000 36000

- 8, 9, 7, 0 GATE SIGNAL

GATE SIGNAT - 8: 6: 4: 5: 0 Attorney: D. Bruce Pro Docket No.: 50710/DBP/ Inventor(s): Hideki Kitao

D. Bruce Prout 50710/DBP/A400 Hideki Kitao, et al. SPEECH SECTION DETECTION APPARATUS

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Fig.23A

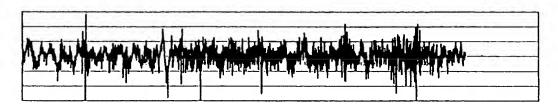


Fig.23B

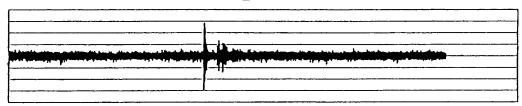


Fig.23C

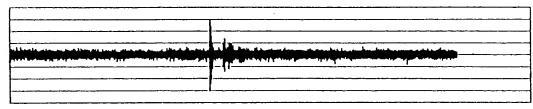
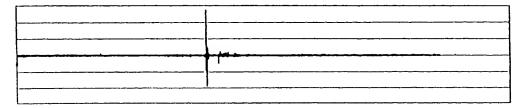


Fig.23D



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Fig.23E

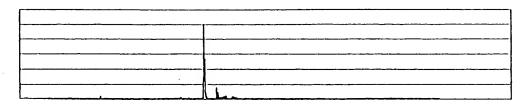


Fig.23F

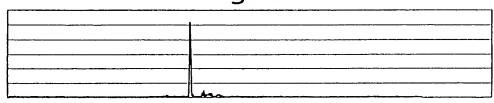


Fig.23G

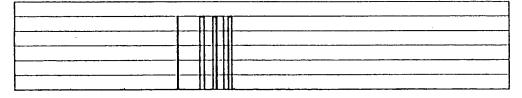


Fig.23H

